Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/11/2020 10:26 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124629	-1	1.71	124725	1.73
Blue	F	SSC	125000	123403	-2	1.63	124172	1.63
Blue	E	FITC	15892	15425	-3	3.02	336	20.25
Blue	D	PE	29999	29699	-2	2.26	646	14.96
Blue	B	PerCP-Cy5-5	43732	43221	-2	3.90	1161	20.83
Blue	A	PE-Cy7	30845	30836	-1	6.28	590	41.35
Red	C	APC	46112	45762	-1	2.43	1618	12.19
Red	A	APC-Cy7	30458	29677	-3	2.35	793	11.87
Violet	B	V450	7918	7463	-6	5.09	417	13.67
Violet	A	V500	32171	30792	-5	4.94	715	10.90

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17335	8.79	620	-1	N/A	N/A	Pass
Blue	F	SSC	56150	1.29	560	1	N/A	N/A	Pass
Blue	E	FITC	60	68.71	542	-1	0.0210	240	Pass
Blue	D	PE	137	47.83	549	1	0.1471	215	Pass
Blue	B	PerCP-Cy5-5	213	51.48	658	2	0.0087	71	Pass
Blue	A	PE-Cy7	108	101.55	702	4	0.0105	10	Pass
Red	C	APC	384	25.40	589	5	0.0240	140	Pass
Red	A	APC-Cy7	173	28.63	560	4	0.0056	958	Pass
Violet	B	V450	63	61.19	461	3	0.0493	2030	Pass
Violet	A	V500	107	34.97	478	4	0.0234	938	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.12	-31.69	1.01
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.48
Red	15.31	13.60 - 20.40	N/A	N/A	29.26	29.65	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10853

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments